



NOTES:

1. FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG E-1.
2. ALL SHELDIS MUST BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE DETAIL "A" (ON THIS DWG).
3. ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPENs, SHORTS & STRAY VOLTAGES.
4. CONTRACTOR SHALL SHAPE, TEST AND LABEL ALL CABLES. FINAL CONNECTION SHALL BE MADE BY CONTRACTOR IN THE PRESENCE AND UNDER THE DIRECT SUPERVISION OF THE ENGINEER.
5. FOR TSC-M-W-E3 ENCLOSURE LOCATION, SEE DWG E-21, 3rd FLOOR PLAN.

LEGEND:

- #14 AWG CONDUCTORS AND DRAINS
- | | |
|----|-----------------------------------|
| 23 | - INDICATES PAIR NUMBER |
| M | - INDICATES WIRE RUN TO MXLRV |
| 13 | - INDICATES TERMINAL BLOCK NUMBER |
| I | - INDICATES WIRE RUN TO TSC-II |
| A | - INDICATES WIRE RUN TO TSC-F1A |
| B | - INDICATES WIRE RUN TO TSC-F1B |

TB2 - TERMINAL BLOCK #2

- (+) INDICATES POSITIVE POLARITY
- (-) INDICATES NEGATIVE POLARITY
- (R) INDICATES RED WIRE
- (B) INDICATES BLACK WIRE
- (S) INDICATES SHIELD/DRAIN WIRE

2 INDICATES TERMINAL BLOCK POINT NUMBER

 UNUSED BLOCK

Diagram illustrating the assembly of a cable jacket and conductors. The main jacket is labeled "14/2 TEFLON". A "SHRINK TUBE" - CLEAR OVERSIZED is shown being applied to the jacket. The conductors are labeled "CONDUCTOR CONDUCTOR" and "DRAIN WIRE". A "CUT FOL SHIELD FLUSH WITH END OF OUTER JACKET" is indicated. The conductors are grouped as "INSULATED" and "UNINSULATED". A "SHRINK TUBE" - CLEAR SINGLE WIRE is also shown.

1 TAG CABLE USING BRADY LABEL JMWL-305-292 WITH
CIRCUIT DESIGNATION AS FOLLOWS:

CIRCUIT DESIGNATION.

STR-A
CIRCUIT NUMBER OR NAME.
A TO G - STROBE OR SPEAKER CIRCUIT NUMBER

TYPE OF CIRCUIT.

STR - STROBE CIRCUIT
SPK - SPEAKER CIRCUIT
ALD - ALD LOOP DEVICE CIRCUIT

DETAIL "A" - TYPICAL SHIELD/DRAIN INSULATING METHOD

I HEREBY CERTIFY THAT THIS IS A TRUE AND
CORRECT COPY OF ONE OF THE CONTRACT
DRAWINGS CONSTITUTING A PART OF
CONTRACT NO. WTC-84-571 IN
THE FORM IN WHICH SAID DRAWINGS
EXISTED AT THE TIME THE SAID CONTRACT
WAS EXECUTED BY THE PARTIES.

DATE 12/17/99 34600
CONTRACT ENGR/ARCH.
DATE 12/20/99 34600
ENGINEERING PROGRAM MG

**THE PORT AUTHORITY
OF NY & NJ**

ENGINEERING PROGRAM MANAGER
WORLD TRADE
[Signature]
CHIEF ELECTRICAL ENGINEER

No.	Date	Revision	Approved
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ENGINEERING DEPARTMENT

WORLD
TRADE
CENTER

ELECTRICAL

FIRE ALARM SYSTEM
PHASE III
5 WTC MER'S, EMR'S
AND SUBSTATIONS

3rd FLOOR
TSC-M-NE3
BLOCK WIRING
DIAGRAM

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

FELDSTEIN ROYZMAN
Designed by Drawn by Checked by

5-17-99
Date

WTC-861.571 E-24
Contract Number Drawing Number